LAWN FUNGICIDE

Canadian Registration No. 6935 PCP Act
Guarantee: Effective for purposes claimed.

Cycloheximide 1.3%
Pentachloronitrobenzene 75.0%

This combination of the antibiotic Acti-dione and pentachloronitrobenzene, PCNB, is recommended for use on all varieties of bluegrass, bentgrass, Bermuda grass, and St. Augustine grass. Acti-dione RZ should be used for the prevention and control of large brown patch, melting out, rust, leaf spot, dollar spot, fading out, grease leaf, powdery mildew, and grey leaf spot.

Package contains full net weight. Head space is necessary to avoiderate filling and avoid spilling.

Keep out of reach of children.
See other warnings on back panel.

Store in a cool, dry place

USA: Reg. No. 10/3-10
U.S. Patent No. 2,887,333

DIRECTIONS FOR USE

When to Apply—Apply when disease first appears or during hot, humid weather which is favorable to development of disease. Repeat treatment every 7 to 14 days as long as disease or hot, humid weather continues.

New Much to Use

<table>
<thead>
<tr>
<th>Type of Grass</th>
<th>Size of Area</th>
<th>Acti-dione RZ</th>
<th>Amount of Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bluegrass</td>
<td>1,000 sq. ft.</td>
<td>4 level teaspoonfuls (1/2 oz.)</td>
<td>5 gal.</td>
</tr>
<tr>
<td>Bentgrass</td>
<td>10,000 sq. ft.</td>
<td>One can (5 oz.)</td>
<td>50 gal.</td>
</tr>
<tr>
<td>Bermuda grass</td>
<td>1,000 sq. ft.</td>
<td>3 level tablespoonfuls (1 1/2 oz.)</td>
<td>5 gal.</td>
</tr>
<tr>
<td>St. Augustine grass</td>
<td>3,500 sq. ft.</td>
<td>One can (5 oz.)</td>
<td>25 gal.</td>
</tr>
</tbody>
</table>

Note: The amount of water to be added is based on U.S. Measure. Five (5) U.S. gallons are equal to approximately four (4) Imperial gallons.

New to Apply—Add Acti-dione RZ to water slowly while stirring. Apply with a hand sprayer, power sprayer, or hose-on proportioner. Shake sprayer occasionally when using to keep Acti-dione RZ in suspension. Do not "water in". Use mixture the same day it is prepared.

Acti-dione RZ may be applied with most of the commonly applied turf insecticides. To check compatibility under local conditions, it is suggested that Acti-dione RZ in mixtures with other pesticides be used on a small area of turf before treating the entire area. Acti-dione RZ should not be used with chlordecone or alkaline materials such as lime.

Active Ingredients

- Cycloheximide 1.3% w/w
- 3,5-dimethyl-2,6-dicyclohexyl-2-hydroxyethyl-glycidylamide 25.7% w/w
- Pentachloronitrobenzene 75.0% w/w

Inert Ingredients

- Harmful or fatal if swallowed. May be irritating if contacted or inhaled. Avoid contact with skin, eyes, or clothing. Wash thoroughly after handling. Avoid breathing dust. Do not contaminate feed and foodstuffs. Do not use on pasture grasses.
- This product is toxic to fish. Apply only as specified on this label.
- Do not reuse empty container. Destroy it by burying with waste or burning. Stay away from smoke or flames.
- External: In case of contact, immediately flush eyes with plenty of water for 15 minutes. Wash skin immediately with soap and water. Inhale: If inhaled, remove victim immediately by sucking longer down throat or by giving strong salty water to drink. Repeat until vomit is clear. Call a physician. Never give anything by mouth to an unconscious person.

DIVISION OF THE UPJOHN COMPANY
KALAMAZOO, MICHIGAN 49001

Use before Jan. 1974
Lot 1CP21 B0
Acti-dione RZ®

Canadian Registration No. 5935 PCP Act
Guarantee: Effective for Purposes Claimed
Cycloheximide 1.3% w/w
Quintozone 75.0% w/w
U.S. Patent No. 2,887,433

STORE IN A COOL, DRY PLACE

WARNING:
HARMFUL OR FATAL IF SWALLOWED. KEEP OUT OF REACH OF CHILDREN. See other warnings on back panel.
General Product Information—Read all label directions, precautions, and warnings before using. Acti-dione RZ is a broad spectrum turf fungicide designed for the prevention and control of most of the common fungus diseases on the major turfgrasses.

WARNING! Harmful or fatal if swallowed. May be irritating if contacted or inhaled. Avoid contact with skin, eyes, or clothing. Wash thoroughly after handling. Avoid breathing dust. Do not contaminate feed and foodstuffs. Do not use on pasture grasses.

Do not re-use empty container. Destroy it by burying with waste or burning. Stay away from smoke or fires.

FIRST AID: External: in case of contact, immediately flush eyes with plenty of water for 15 minutes. Wash skin immediately with soap and water.

Internal: if swallowed, induce vomiting immediately by sticking finger down throat or by giving soapy or strong salty water to drink. Repeat until vomit is clear. Call a physician. Never give anything by mouth to an unconscious person.

This product is toxic to fish. Apply only as specified on this label.

Directions for Use on Turf

Apply as a liquid spray with hand or power sprayers, or a hose-on proportioner. Add the recommended amount of Acti-dione RZ and water to spray tank. Keep agitator running to insure even suspension of the wettable powder. Use spray mixture the same day it is prepared. Spray uniformly over the area to be treated. Apply after mowing. Allow spray to dry on grass. Do not "water-in." Avoid mowing for 12 hours following application. For maximum safety, avoid spraying during periods of high temperature.

FOR: Bellarspot, Brown Patch, Melting-Out, Leavespot (Helminthosporium), Fading-Out, Grease Spot (Pythium) and Gray Leavespot on Bentgrass, Bermudagrass, and St. Augustinegrass.

Preventive Treatment
Apply Acti-dione RZ early in the spring before disease symptoms appear, then follow a regular schedule at 2 to 4-day intervals throughout the season when conditions are favorable for disease development. Use 6 ounces of Acti-dione RZ in 25 to 35 gallons of water per 5,000 sq. ft. of turf area.

Curative (Eradicative) Treatment:
When disease is already present or develops despite a preventive spray program, use 8 ounces of Acti-dione RZ in 25 to 35 gallons of water per 5,000 sq. ft. Repeat treatment at 3 to 5-day intervals until the disease is controlled, then follow the preventive treatment schedule.

FOR: Rust, Powdery Mildew, Fading-Out, Melting-Out, and Leavespot (Helminthosporium), and Grease Spot (Pythium) on Bluegrass, Fescue and Ryegrass.

Preventive Treatment
Apply Acti-dione RZ early in the spring before disease symptoms appear. Then follow a regular schedule at 7 to 14-day intervals throughout the season. Use ½ ounce Acti-dione RZ in 2½ to 5 gallons of water per 1,000 sq. ft.

Eradicative Treatment
When disease is already present or develops despite a preventive program, use ½ ounce Acti-dione RZ in 2½ to 5 gallons water per 1,000 sq. ft. Repeat at 3 to 5-day intervals until the disease is controlled, then follow the preventive treatment schedule.

FOR Fairways and other large turf areas a special program is recommended. Ask your supplier for the separate direction sheet with details of this program.

Compatibility
Acti-dione RZ may be applied with most common insecticides. Ferrous sulfate may be added to the spray mixture at the rate of ½ ounce per 1,000 sq. ft. of turf area. Do not mix Acti-dione RZ with chlordane or alkaline materials such as lime.

Note: The amount of water to be added is based on U.S. Measure. Five (5) U.S. Gallons are equal to approximately four (4) Imperial Gallons.
Acti-dione RZ®

Broad spectrum
turf fungicide
For Use On:
Bluegrass, Bentgrass, Bermudagrass, Fescue, Ryegrass, and St. Augustinegrass

For the Prevention and Control of:
Large Brown Patch, Melting-Out, Rust, Dollarspot, Fading-Out, Grease Spot, Powdery Mildew, Leafspot (Helminthosporium) and Gray Leafspot
Also for Azalea Petal Blight

Canadian Registration No. 6935 PCP Act
Guarantee: Effective for Purposes Claimed
Cycloheximide .......................................................... 1.3% w/w
Quintozene .............................................................. 75.0% w/w
U.S. Patent No. 2,887,433

Store in a cool, dry place

WARNING!
HARMFUL OR FATAL IF SWALLOWED. KEEP OUT OF REACH OF CHILDREN.
See other warnings on back panel.
Acti-dione RZ 10 pounds

General Product Information—Read all label directions, precautions, and warnings before using. Acti-dione RZ is a broad spectrum turf fungicide designed for the prevention and control of most of the common fungus diseases on the major turfgrasses.

Warning: Harmful or fatal if swallowed. May be irritating if contacted or inhaled. Avoid contact with skin, eyes, or clothing. Wash thoroughly after handling. Avoid breathing dust. Do not contaminate feed and foodstuffs. Do not use on pasture grasses.

Do not reuse empty container. Destroy it by burning or burning. Stay away from smoke or fumes.

FIRST AID: External—In case of contact, immediately flush Eyes with plenty of water for 15 minutes. Wash skin immediately with soap and water.

Inhalation: If swallowed, induce vomiting immediately by sticking finger down throat or by giving soapy or strong salty water to drink. Repeat until vomit is clear. Call a physician. Never give anything by mouth to an unconscious person.

This product is toxic to fish. Apply only as specified on this label.

Directions: Use the following:

Anoly as a liquid spray with hand or power sprayers, or a hose-on proportioner. Add the recommended amount of Acti-dione RZ and water to spray. Keep agitator running to insure even suspension of the wettable powder. Use spray mixture the same day it is prepared. Spray uniformly over the area to be treated. Apply after mowing. Allow spray to dry on grass. Do not “water-in.” Avoid mowing for 12 hours following application. For maximum safety, avoid spraying during periods of high temperatures.

For: Dollar spot, Brown Patch, Melting-Out, Leaf spot (Helminthosporium), Fading-Out, Grease Spot (Pythium) and Gray Leaf spot on Bentgrass, Bermudagrass, and St. Augustine grass.

Preventive Treatment:

Apply Acti-dione RZ early in the spring before disease symptoms appear, then follow a regular schedule at 7 to 14-day intervals throughout the season when conditions are favorable for disease development. Use 6 ounces of Acti-dione RZ in 25 to 35 gallons of water per 5,000 sq. ft. of turf area.

Curative and Eradicative Treatment:

When disease is already present or develops despite a preventive spray program, use 8 ounces of Acti-dione RZ in 25 to 35 gallons of water per 5,000 sq. ft. Repeat treatment at 3 to 5-day intervals until the disease is controlled, then follow the preventive treatment schedule.

For: Rust, Powdery Mildew, Fading-Out, Melting-Out, and Leaf spot (Helminthosporium), and Grease Spot (Pythium) on Bluegrass, Fescue, and Ryegrass.

Preventive Treatment:

Apply Acti-dione RZ early in the spring before disease symptoms appear. Then follow a regular schedule at 7 to 14-day intervals throughout the season. Use ½ ounce Acti-dione RZ in 2½ to 5 gallons of water per 1,000 sq. ft.

Eradicative Treatment:

When disease is already present or develops despite a preventive program, use ½ ounce Acti-dione RZ in 2½ to 5 gallons water per 1,000 sq. ft. Repeat at 3 to 5-day intervals until the disease is controlled, then follow the preventive treatment schedule.

For Fairways and other large turf areas a special program is recommended. Ask your supplier for the separate direction sheet with details of this program.

Compatibility:

Acti-dione RZ may be applied with most common insecticides. Ferric sulfate may be added to the spray mixture at the rate of 16 ounce.

UNDER THE FEDERAL INSECTICIDE, FUNGICIDE AND ROYENTICIDE ACT FOR ECONOMIC POISON REGISTRATION UNDER NO. 1823-10

FUNGICIDE AND ROYENTICIDE ACT FOR ECONOMIC POISON REGISTRATION UNDER NO. 1823-10
Apply Acti-dione RZ early in the spring before disease symptoms appear, then follow a regular schedule at 7 to 14-day intervals throughout the season when conditions are favorable for disease development. Use 6 ounces of Acti-dione RZ in 25 to 35 gallons of water per 5,000 sq. ft. of turf area.

Curative (Eradicative) Treatment

When disease is already present or develops despite a preventive spray program, use 8 ounces of Acti-dione RZ in 25 to 35 gallons of water per 5,000 sq. ft. Repeat treatment at 3 to 5-day intervals until the disease is controlled, then follow the preventive treatment schedule.

For: Rust, Powdery Mildew, Fading-Out, Melting-Out, and Leafspot (Helminthosporium), and Grease Spot (Pythium) on Bluegrass, Fescue, and Ryegrass.

Preventive Treatment

Apply Acti-dione RZ early in the spring before disease symptoms appear. Then follow a regular schedule at 7 to 14-day intervals throughout the season. Use \( \frac{1}{2} \) ounce Acti-dione RZ in 2\( \frac{1}{2} \) to 5 gallons of water per 1,000 sq. ft.

Eradicative Treatment

When disease is already present or develops despite a preventive program, use \( \frac{1}{2} \) ounce Acti-dione RZ in 2\( \frac{1}{2} \) to 5 gallons water per 1,000 sq. ft. Repeat at 3 to 5-day intervals until the disease is controlled, then follow the preventive treatment schedule.

For Fairways and other large turf areas a special program is recommended. Ask your supplier for the separate direction sheet with details of this program.

Compatibility

Acti-dione RZ may be applied with most common insecticides. Ferrous sulfate may be added to the spray mixture at the rate of \( \frac{1}{2} \) ounce per 1,000 sq. ft. of turf area. Do not mix Acti-dione RZ with chlordane or alkaline materials such as lime.

Note: The amount of water to be added is based on U.S. Measure. Five (5) U.S. Gallons are equal to approximately four (4) Imperial Gallons.

Directions:

For Azalea Petal Blight Control

Bloom Application - Use a fine mist and apply lightly and thoroughly to all buds and open flowers. The ground surface beneath bushes should also be sprayed until moist.

Ground Application - Apply uniformly as a spray, or as a dry mixture after blending with sand, sawdust, or vermiculite. Use clean mulch, if it is replaced.

<table>
<thead>
<tr>
<th>When to Apply</th>
<th>Use this Amount of Acti-dione RZ</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 to 6 weeks before bloom (Soil application only)</td>
<td>One (1) ounce (8 level teaspoonfuls) per square yard of the azalea bed</td>
<td>Single spray or dry mix as described</td>
</tr>
<tr>
<td>Pre-blossom and Blossom. (Begin applications as first blossoms start to open.)</td>
<td>1 level teaspoonful per gallon; 12 ounces per 100 gallons</td>
<td>Repeat at 4 to 5-day intervals or as new blossoms appear</td>
</tr>
</tbody>
</table>

When new foliage appears, reduce the concentration to \( \frac{3}{4} \) of a level teaspoonful per gallon, or 9 ounces per 100 gallons and continue as above (Pre-blossom and Blossom).

CAUTION

Avoid spraying of interplanted species. Acti-dione RZ will damage young shoots of deciduous plants such as dogwood, mahonia, and fern.